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FIG 1
Stand der Technik

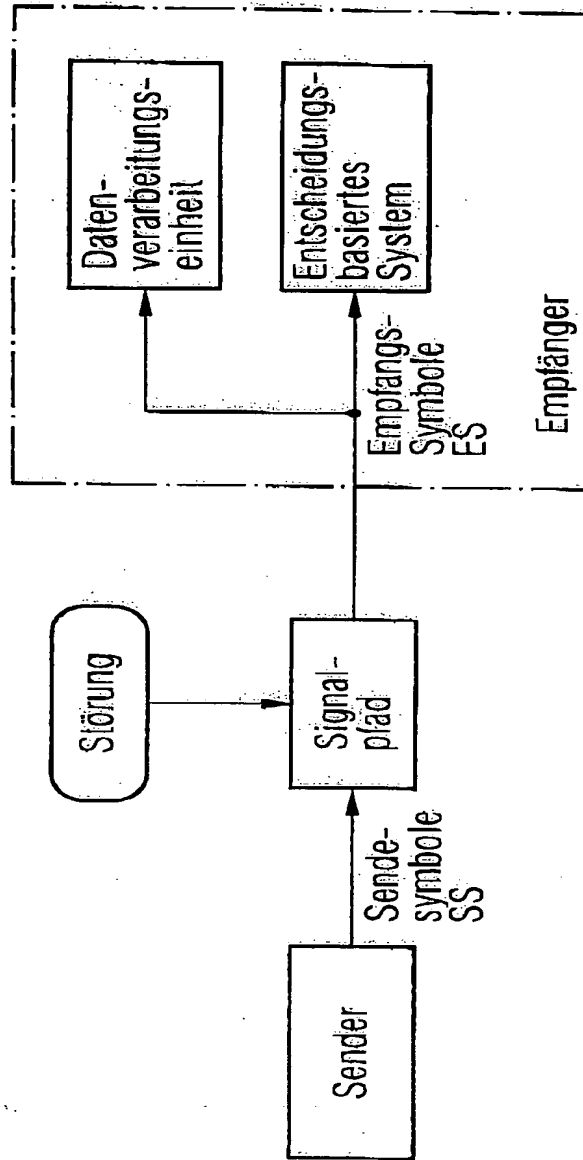
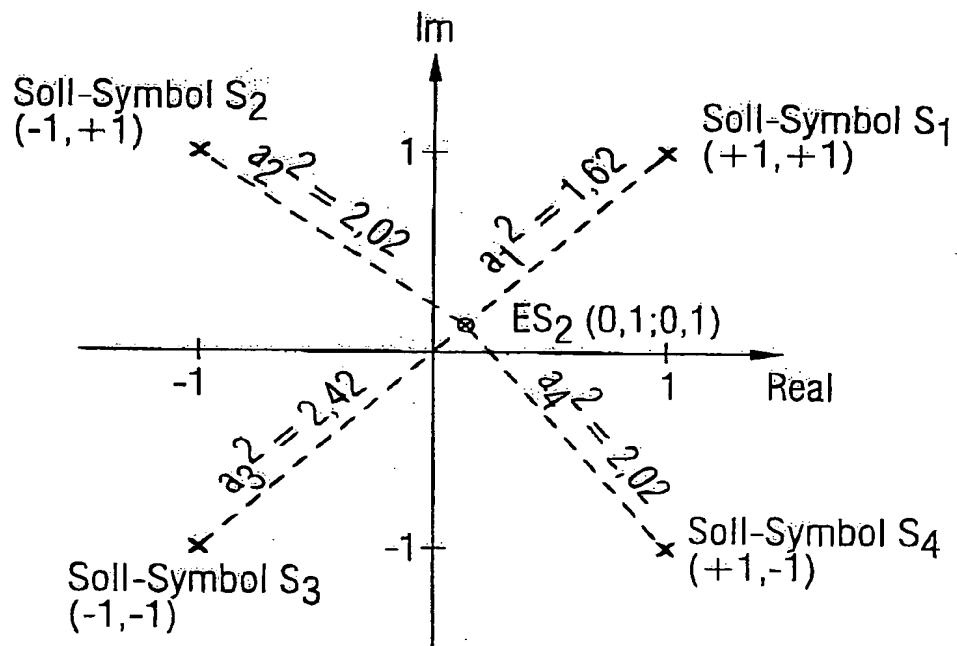


FIG 2
Stand der Technik



$$\text{Min} \{ a_i^2 \} = \text{Min} \{ 1,62; 2,02; 2,42; 2,02 \} = 1,62$$

4 Sollsymbole

FIG 3

Stand der Technik

Beispiel :

		SS1	SS2	SS3	SS4	SS5	SS6
Sende- symbol- folge(SS)	Re	+1	-1	+1	-1	+1	+1
	Im	+1	+1	+1	-1	-1	-1

		ES1	ES2	ES3	ES4	ES5	ES6
Empfangs- symbol- folge(ES)	Re	1,5	0,1	0,4	-0,6	1,1	0,8
	Im	0,8	0,1	0,2	-0,1	-0,9	-2

Abstand Min { a_i^2 } a_i^2 (min)	0,29	1,62	1	0,97	0,02	1,04
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		ES1	ES2	ES3	ES4	ES5	ES6
Entscheidung (ES)	Re	+1	+1	+1	-1	+1	+1
	Im	+1	+1	+1	-1	-1	-1

Tabelle

FIG 4

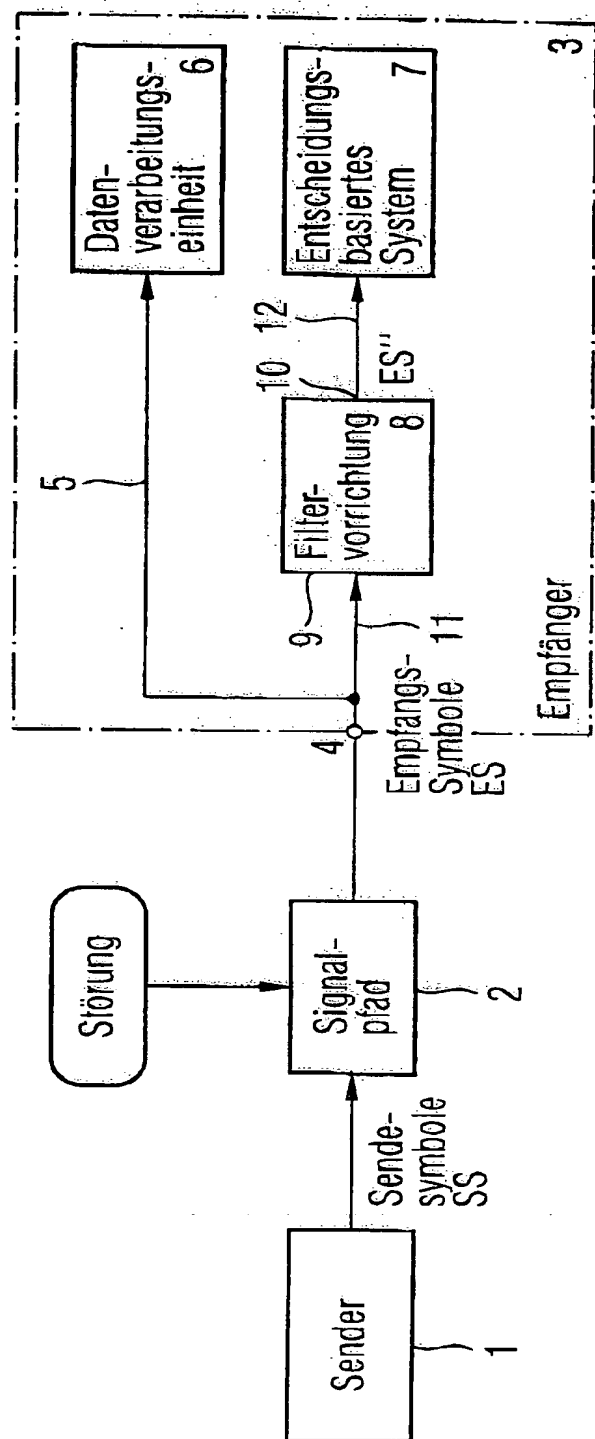


FIG 5

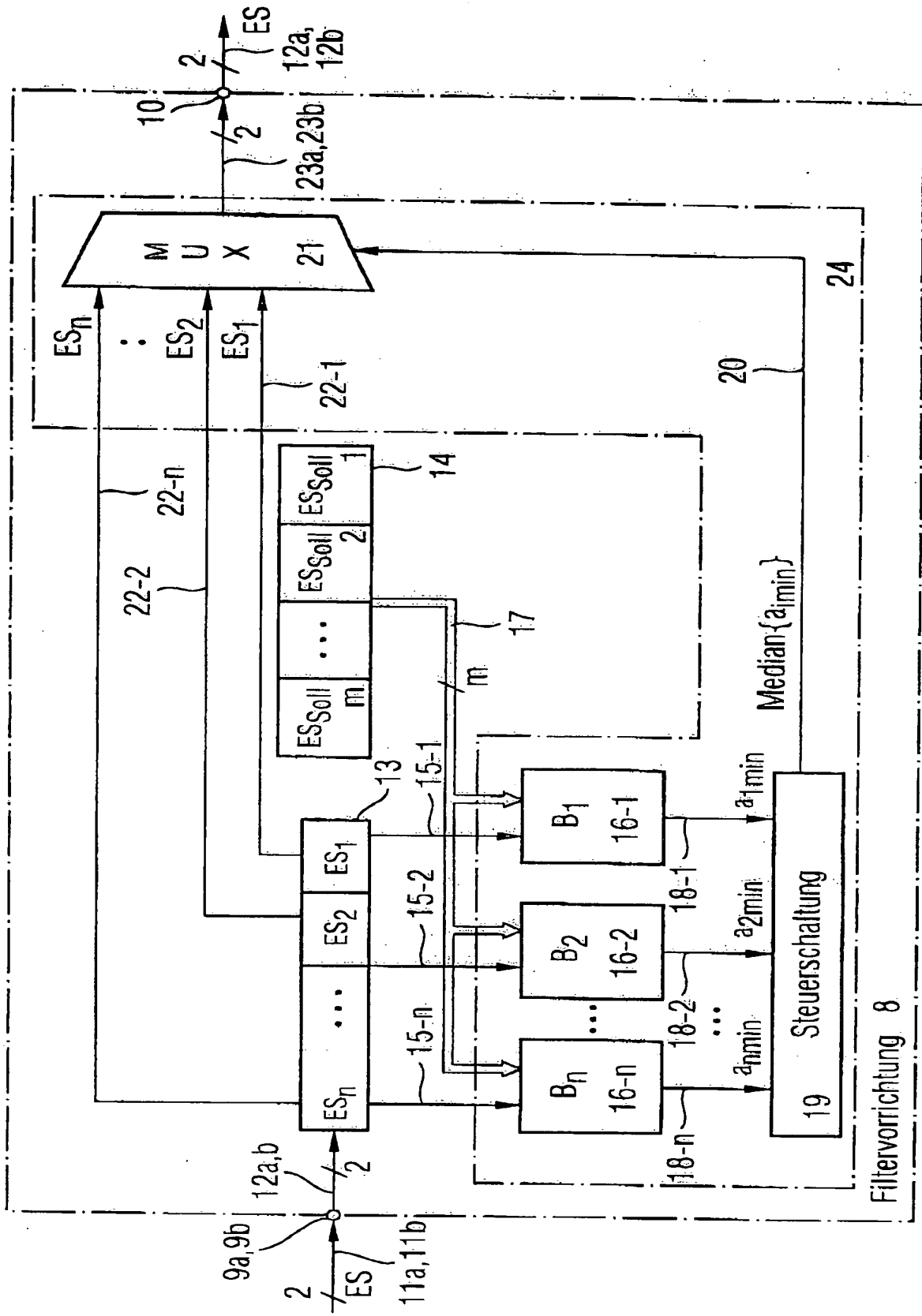
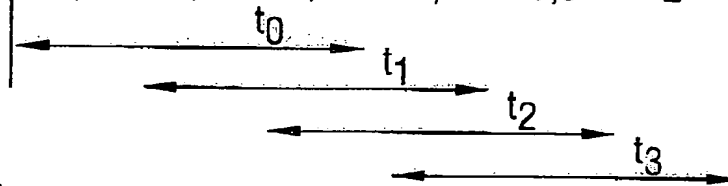


FIG 6

Beispiel :

		SS1	SS2	SS3	SS4	SS5	SS6
Sende- symbol- folge(SS)	Re	+1	-1	+1	-1	+1	+1
	Im	+1	+1	+1	-1	-1	-1

		ES1	ES2	ES3	ES4	ES5	ES6
Empfangs- symbol- folge(ES')	Re	1,5	0,1	0,4	-0,6	1,1	0,8
	Im	0,8	0,1	0,2	-0,1	-0,9	-2



Abstand $\text{Min} \{ a_i^2 \}$	a_i^2 (min)	0,29	1,62	1	0,97	0,02	1,04
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3er-Gruppen :	t_0 (0,29 ; 1,62 ; 1)	→	1 (Pos3)
	t_1 (1,62 ; 1 ; 0,97)	→	1 (Pos2)
	t_2 (1 ; 0,97 ; 0,02)	→	0,97 (Pos2)
	t_3 (0,97 ; 0,02 ; 1,04)	→	0,97 (Pos1)

sortierte
Abstände

	Pos3	Pos2	Pos2	Pos1
--	------	------	------	------

		ES1'	ES2'	ES3'	ES4'
gefilterte Empfangs- symbol- folge(ES')	Re	0,4	0,4	-0,6	-0,6
	Im	0,2	0,2	-0,1	-0,1

		ES1	ES2	ES3	ES4
Entscheidung E	Re	+1	+1	-1	-1
	Im	+1	+1	-1	-1

Tabelle

FIG 7

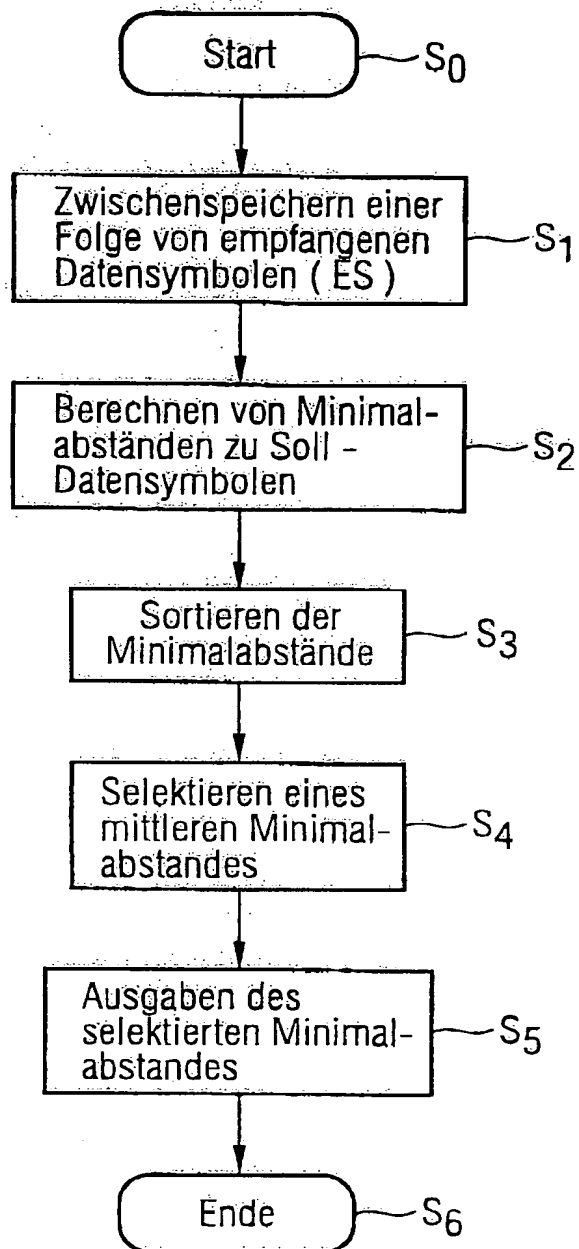


FIG 8

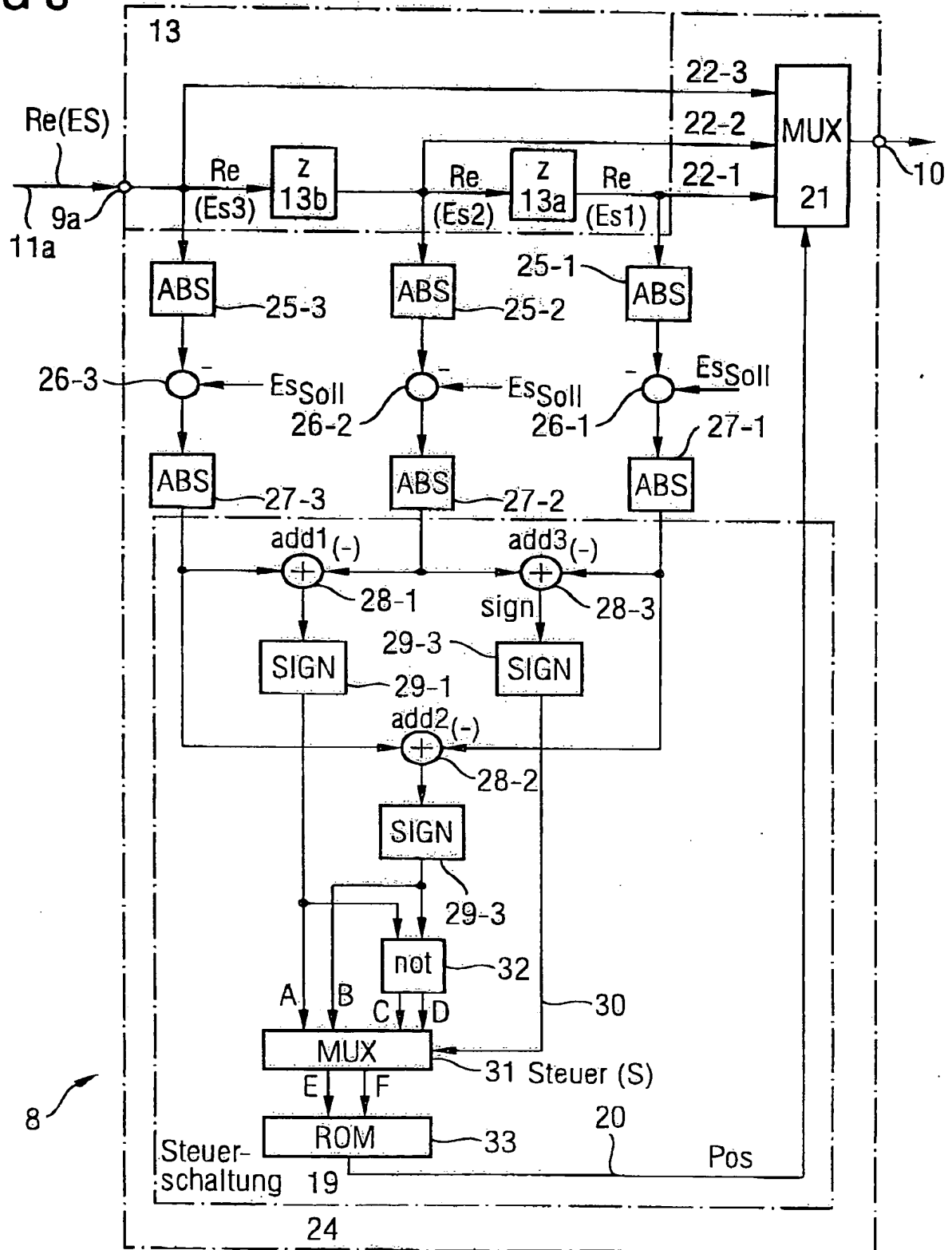


FIG 9

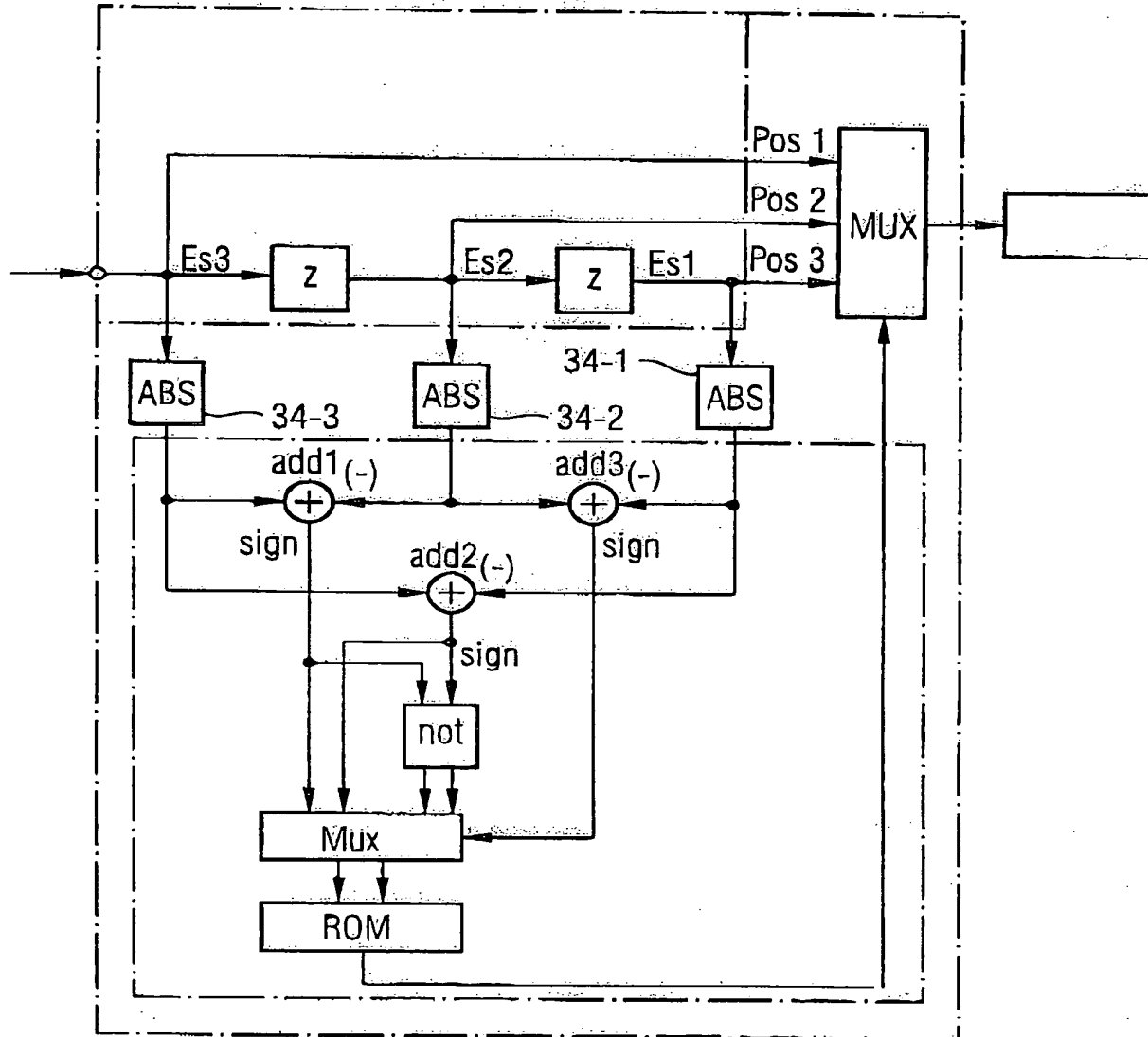


FIG 10

